

### **ABSTRACT OF THE INVENTION**

The present invention is generally related to the discovery of the therapeutic benefit of administering  $\gamma$ -tocopherol and  $\gamma$ -tocopherol derivatives. More specifically, the use of  $\gamma$ -tocopherol and racemic LLU- $\alpha$ , (S)-LLU- $\alpha$ , or  $\gamma$ -tocopherol derivatives as antioxidants and nitrogen oxide scavengers which treat and prevent high blood pressure, thromboembolic disease, cardiovascular disease, cancer, natriuretic disease, the formation of neuropathological lesions, and a reduced immune system response are disclosed.

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